

COLORADO

Science and Engineering Profile

	Colorado	U.S.	Rank		Colorado	U.S.	Rank
Doctoral scientists, 1993	8,558	430,332	16	Total R&D performance, 1993 (millions)	\$2,864	\$161,427	15
Doctoral engineers, 1993	1,683	81,293	15	Industry R&D, 1993 (millions)	\$2,111	\$117,622	15
S&E doctorates awarded, 1993	506	25,409	16	Academic R&D, 1993 (millions)	\$331	\$19,489	20
of which, in engineering	30%	22%		of which, in life sciences	45%	55%	
in life sciences	20%	24%		in engineering	15%	16%	
in social sciences	12%	15%		in environmental sciences	13%	7%	
S&E postdoctorates, 1993				Higher education current-fund			
in doctorate-granting institutions	690	34,394	15	expenditures, 1993 (millions)	\$1,978	\$163,994	27
S&E graduate students, 1993				Number of SBIR awards, 1990-93	502	13,995	6
in doctorate-granting institutions	9,327	438,128	14	Patents issued to state residents, 1994	1,045	56,039	15
Population, 1994 (000s)	3,656	260,341	26	Gross state product, 1992 (billions)	\$82.5	\$5,994.1	23
Civilian labor force, 1994 (000s)	1,996	131,013	22	of which, agriculture	2%	2%	
Personal income per capita, 1994	\$22,333	\$21,809	17	manufacturing, mining, construction	19%	23%	
Federal spending				transportation, communication, utilities	10%	9%	
Total expenditures 1994 (millions)	\$18,989	\$1,284,896	24	wholesale and retail trade	17%	16%	
R&D obligations 1993 (millions)	\$1,343	\$65,394	15	finance, insurance, real estate	17%	18%	
				services	21%	20%	
				government	14%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Federal Obligations for Research and Development in Colorado by Agency and Performer: Fiscal Year 1993

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	1,343,392	169,821	167,201	740,567	219,347	41,852	4,604	15
Department of Agriculture	30,692	22,671	0	272	7,734	0	15	17
Department of Commerce	69,144	62,747	0	45	6,352	0	0	2
Department of Defense	721,750	29,658	2,048	658,719	31,110	215	0	15
Department of Energy	139,917	2,001	110,414	18,401	8,456	645	0	11
Dept. of Health & Human Services	144,325	30	0	2,887	107,112	32,636	1,660	19
Department of the Interior	51,011	45,195	0	928	4,560	303	25	1
Department of Transportation	9,281	1,811	0	696	0	5,681	1,093	15
Environmental Protection Agency	3,539	0	0	800	2,014	0	725	20
Nat'l Aeronautics & Space Admin.	84,400	5,334	1,297	55,137	20,325	2,307	0	11
National Science Foundation	89,333	374	53,442	2,682	31,684	65	1,086	5
State rank	15	16	7	12	16	15	16	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.